

## 056255-1007 - Swing Drive

Sample No: LH0292222

Oil Type: LIEBHERR GEAR BASIC 90 LS

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<b>Sample Information</b>									
Sample Number		LH0292222	LH0235496	LH0133032	LHP0014664				
Sample Date		26 Jun 2024	27 Jun 2022	24 Oct 2018	01 Dec 2011				
Machine Hours		17524	0	14295	778				
Oil Hours		0	0	0	0				
Oil Changed		Changed	Changed	Changed	Changed				
Sample Status		ABNORMAL	ABNORMAL	SEVERE	NORMAL				
Oil Condition									
Visc @ 40°C	cSt	102	139	137	0 179				
Conta	mination								
Water	%	NEG	NEG	1.089	NEG				
Silicon	ppm	<mark>○</mark> <1	2	2	○ <1				
Sodium	ppm	<b>○</b> <1	◯ <1	0	04				
Potassium	ppm	<b>○</b> <1	○ <1	○ <1	01				
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Wear Metals								
Iron	ppm	0 311	326	532	0 131			
Copper	ppm	61	0 198	0 135	◯ 35			
Lead	ppm	02	07	04	2			
Tin	ppm	03	24	0 1	0			
Aluminum	ppm	<b>○</b> <1	◯ <1	◯ <1	○ <1			
Chromium	ppm	02	0 2	5	○ <1			
Molybdenum	ppm	0	◯ <1	◯ <1	0			
Nickel	ppm	<b>○</b> <1	0 (	◯ <1	0			
Titanium	ppm	0	0	0	0			
Silver	ppm	<1	0	0	0			
Manganese	ppm	02	3	04	2			
Vanadium	ppm	0	0	0	0			

٥ **Additives** Calcium ppm 17 25 5 32 04 04 Magnesium 1 ○ <1 ppm 072 28 0 24 Zinc 22 ppm Phosphorus ppm 1175 1939 389 0 1978 Barium ppm ○ <1 ○ <1  $\bigcirc 0$ 0 15 Boron 9 ppm 0 49 9 19





## American Iron and Metal 9100 BOUL HENRI-BOURASSA EST

MONTREAL, QC CA H1E 2S4 Contact: Sebastien Liautaud sliautaud@aimrecyclinggroup.com T: (514)494-2000 F: (450)661-5033

## Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate concentration of water present in the oil. Free water present. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

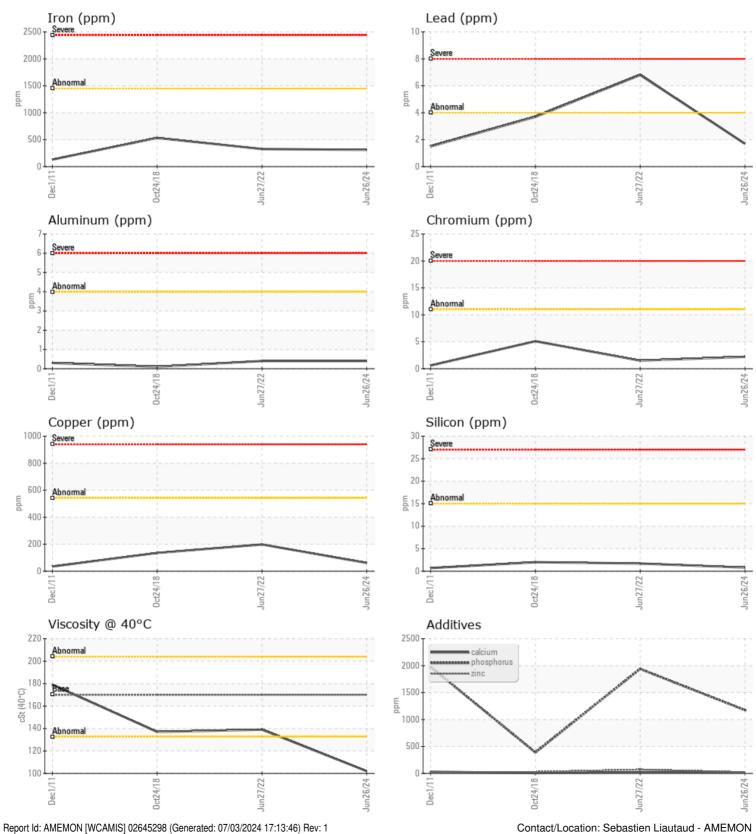
Depot:AMEMONUnique No:5802837Signed:Kevin MarsonReport Date:03 Jul 2024

Contact/Location: Sebastien Liautaud - AMEMON

## CONSTRUCTION EQUIPMENT



0 Graphs



Contact/Location: Sebastien Liautaud - AMEMON